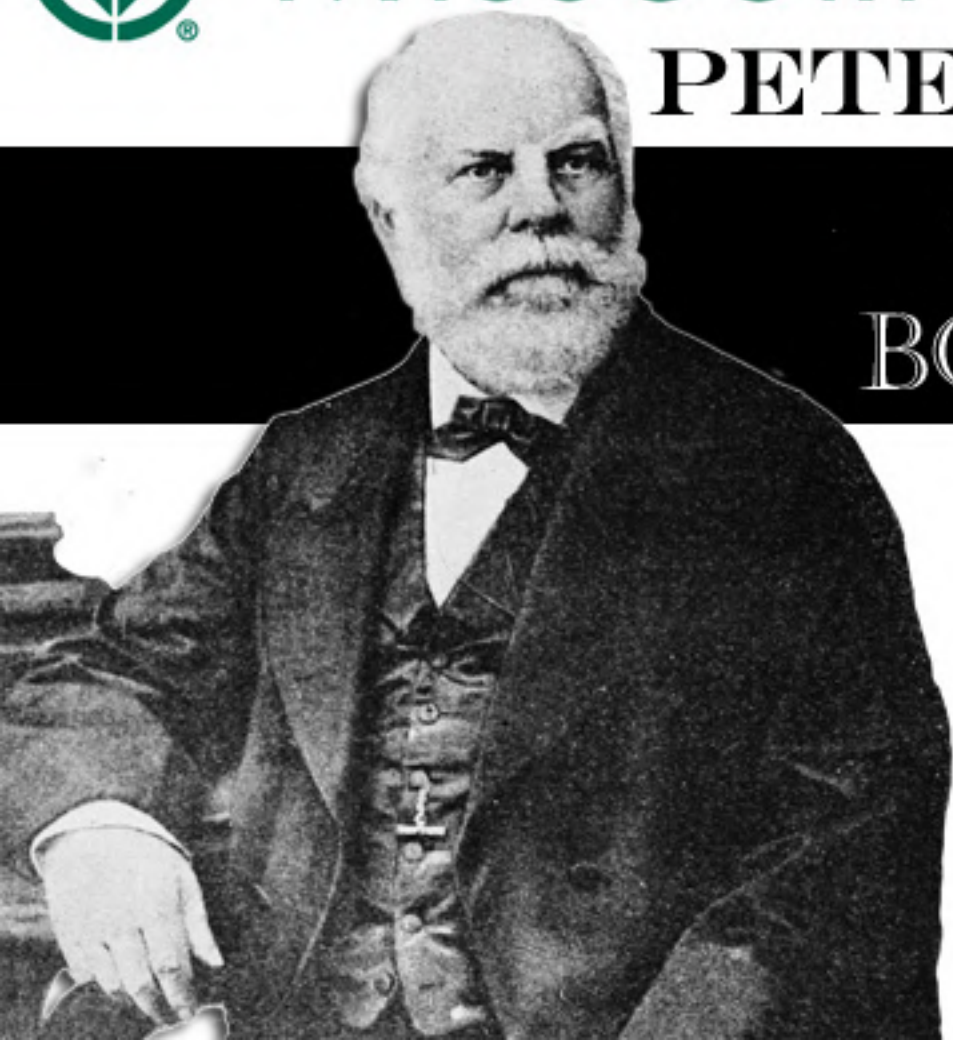


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GEORGE ENGELMANN  
BOTANICAL NOTEBOOKS



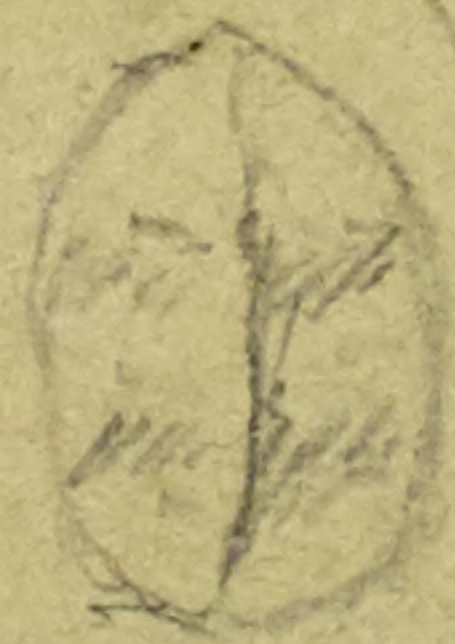
*Pagination Note:*

*Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.*



These seeds do not belong here!

x10



1 mm long

dark red brown

with 2 cross ridges  
on each side -

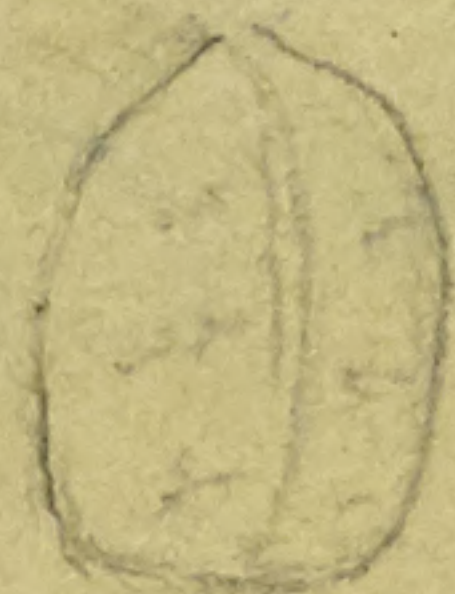
similar to *Hypericifolia*

x150

seed surface

cells 0.02

x10

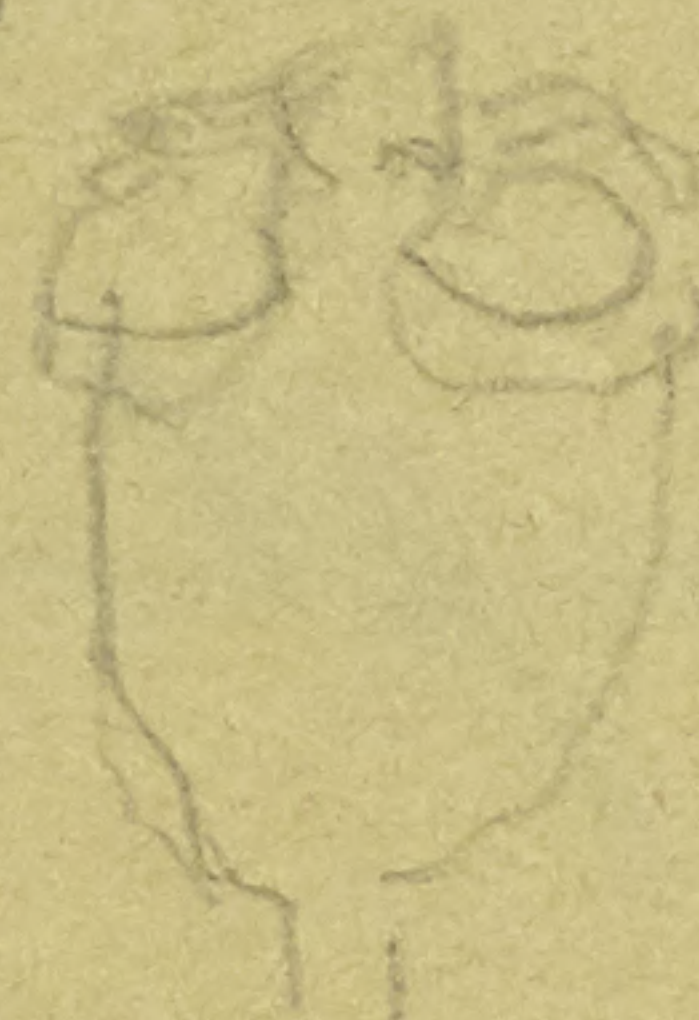


seed gray  
reddish

scarcely undulate

involucrum turbinate.

x10

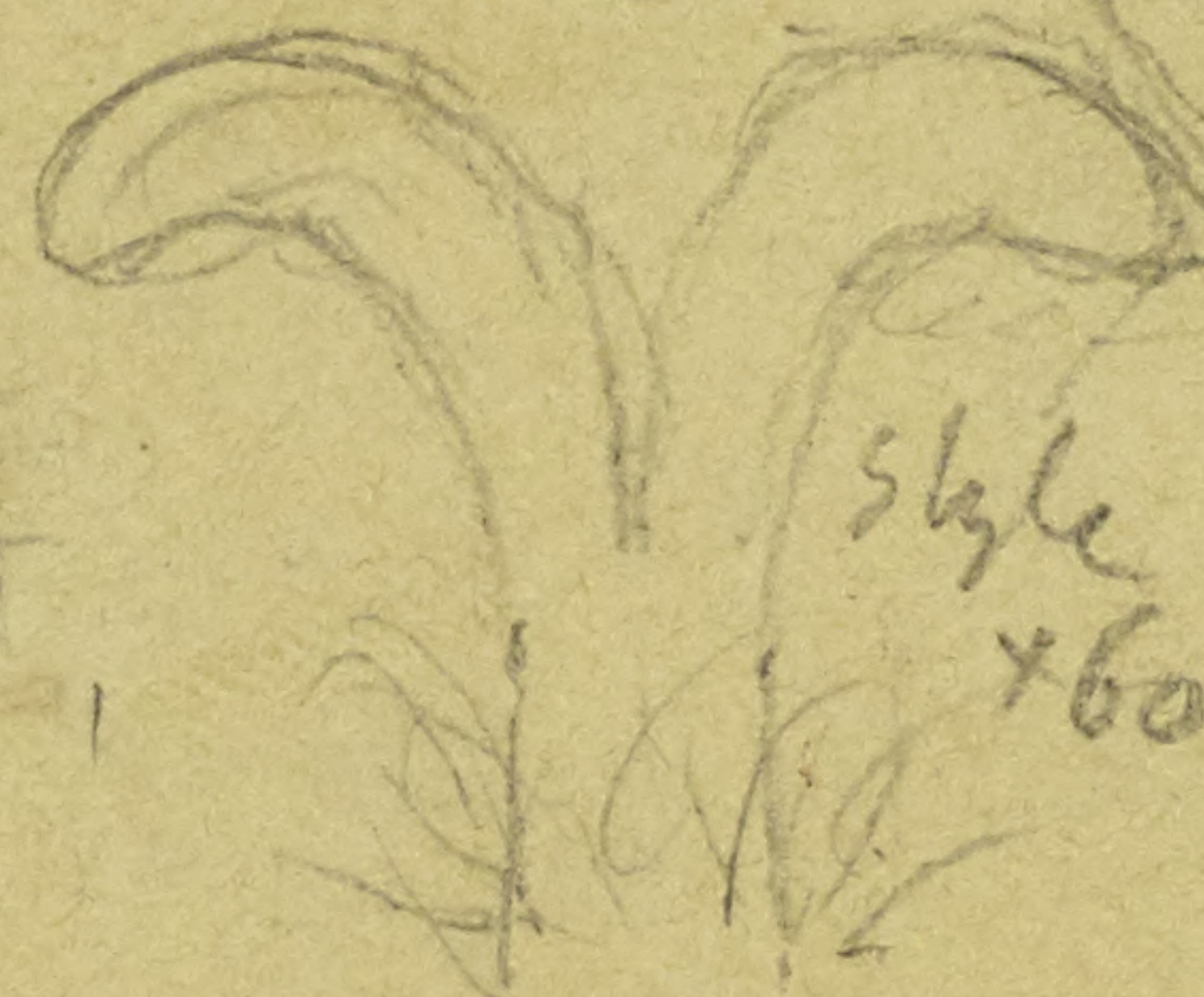


leaf

style

x60

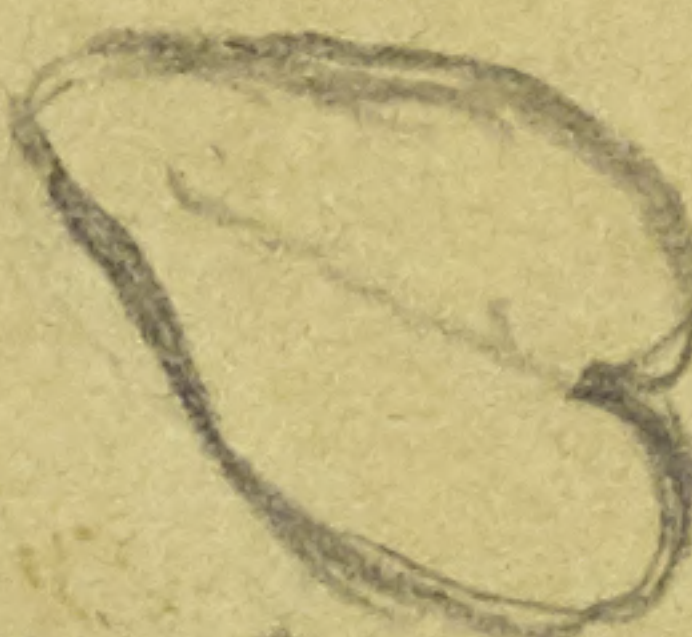
caps x10



leaves 2-4 lines long

July 11 1821

x10



leaf

seed, ashy red

*P. Turpini* Boiss, St. Domingo

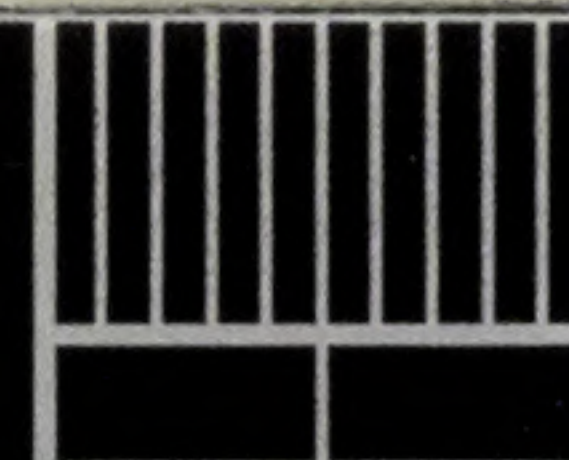
April 30 1879

Florida Dr Garber, Oct 1878

2

perenn. mult. caulis suberecta  
spithamea tota cum involucris  
capsulae quae pilosulae  
appressilae angustae albidae  
foliis oblongis, obtusis, integris, basi v. obtuse  
obliquis - involucris subsingulis  
stylis brevibus erectis - petalis bifidis  
sem. ovatis angulatis, ciliatis  
tridistincte undulatis  
stipulis triangularibus, ciliatis  
pilosius

over



0 1 2 3 4 5 6 7 8 9 10

cm

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MISSOURI  
BOTANICAL  
GARDEN



HENRY T. ROHLFING,

APOTHECARY,

No. 2600 Laclede Ave., S. W. Cor. Jefferson Ave.,  
ST. LOUIS, MO.

No. \_\_\_\_\_ Date, \_\_\_\_\_

187

*R*

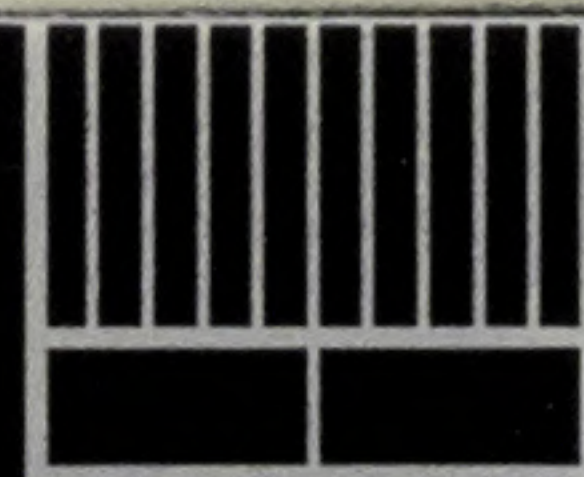
MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

*sent description to Dr Chapman*

6728

Geo. Engelmann, M. D.,

No. 3003 Locust Street.



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cm

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GARDEN



162 Euphorbia deltoidea n. sp. K  
A H Carliss Florida

Oct 15 1881

x 10



x 30

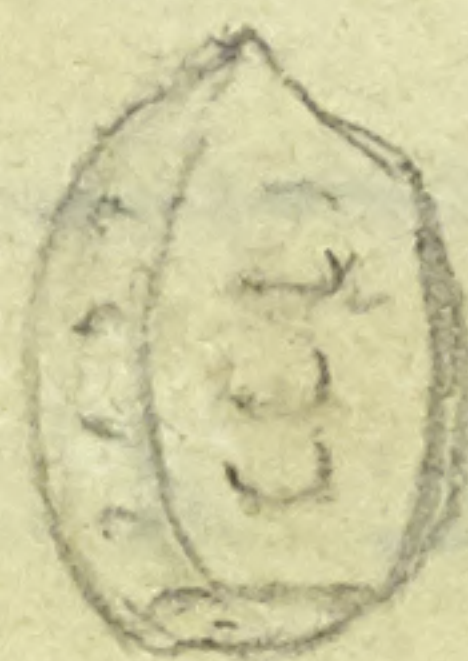


gland x 30  
inside hairy

16-18 stamens  
feathery bracts  
corolla hairy inside

styles short, divided to base

x 10



seed fully  
1 mm long

seed oval faintly cross ribbed  
with about 3 ribs

x 10



cells or pits  
of seed coat  
x 150

= 0.022" = 0.028 dia

over.



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN



(Eradice crassa prostrata multicaulis ramosissima,  
~~caulibus~~ <sup>foliis</sup> ~~glaberrima~~ <sup>parvis</sup> foliis oblique oblongato-cordatis  
~~oblongatis~~ <sup>oblongatis</sup> s. subreniformibus, <sup>integris</sup> ~~ovatis~~ <sup>coriaceis</sup> marginibus  
 subrevolutis; stipulis ciliatis, triangularibus  
 glandulosis ciliatis;

involucris singulis longius pedunculatis, patulis  
 (s. subrecurvis?) hemisphaericis nervosis, intus  
<sup>pubescentibus</sup> lobis triangularibus, glandulis transversis nudis &  
 angustis marginatis fere aequilongis;  
 antheris filamentis 16-20 cum brevibus lacinis interspersis  
 ovario glomerato, stylis ad basin bipartitis; stygilibus  
 densatis, - seminibus ovatis, crassis, induratis transversis  
 undulatis

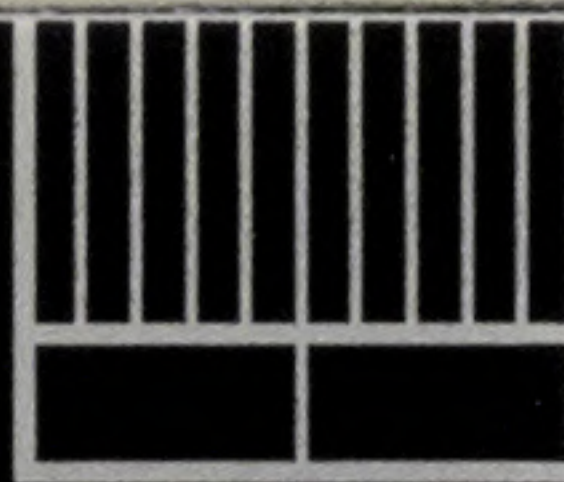
Southern Keys of Florida A. H. Curtis

Large leaves rarely over 2 lines long and nearly as wide,  
 only the youngest portions with scattered short hairs.  
 involucres  $\frac{3}{4}$  lin long & wide, large for this section  
 glands almost without appendages. A very peculiar  
 species  
 ped  $\frac{1}{2}$  lin long

MISSOURI BOTANICAL GARDEN  
 GEORGE ENGELMANN PAPERS  
 Leitch & Corlies

Corvax

South West Fifth  
 Corner Fifth  
 and Market  
 Streets



0

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cm

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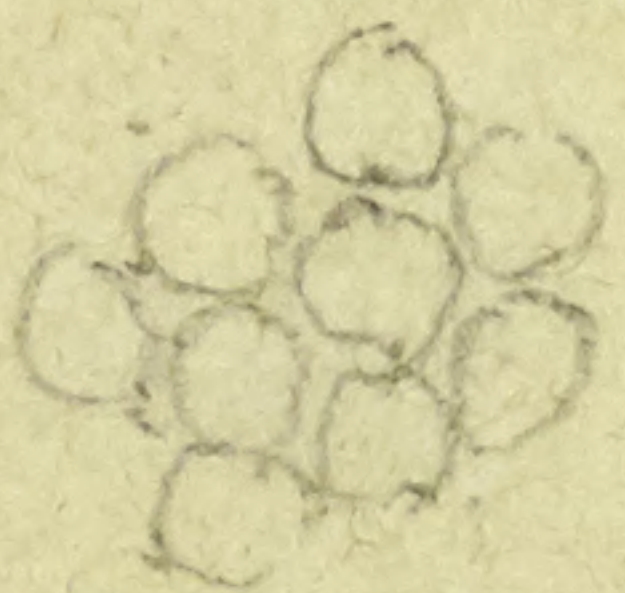


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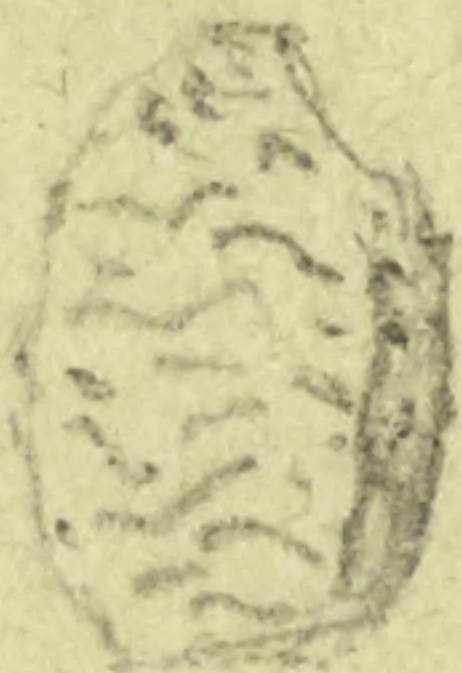
*Euphorbia scapellifolia* ? var. *rugulosa* Nov 4 1881  
San Bernardino Parish 1281

x150



surface cells small  
0.012-0.020 mm

x10



seed 1-1.1 mm. long  
0.75 thick,  
transversely rugose  
and somewhat  
crenate on edges

x10



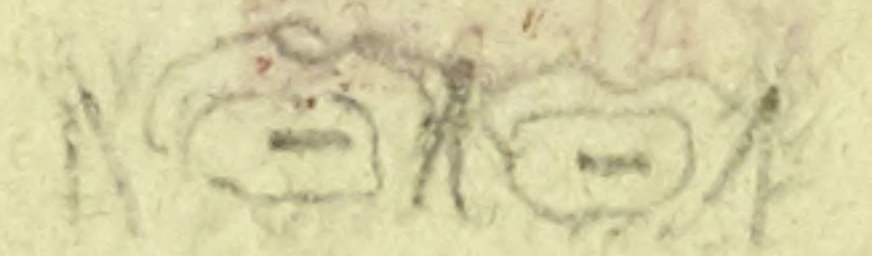
Capsule sharp angled



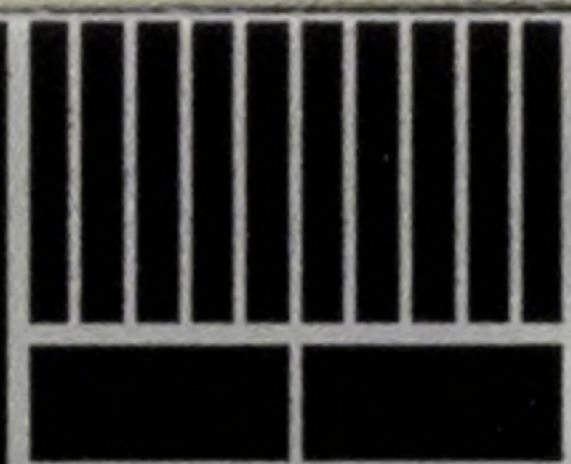
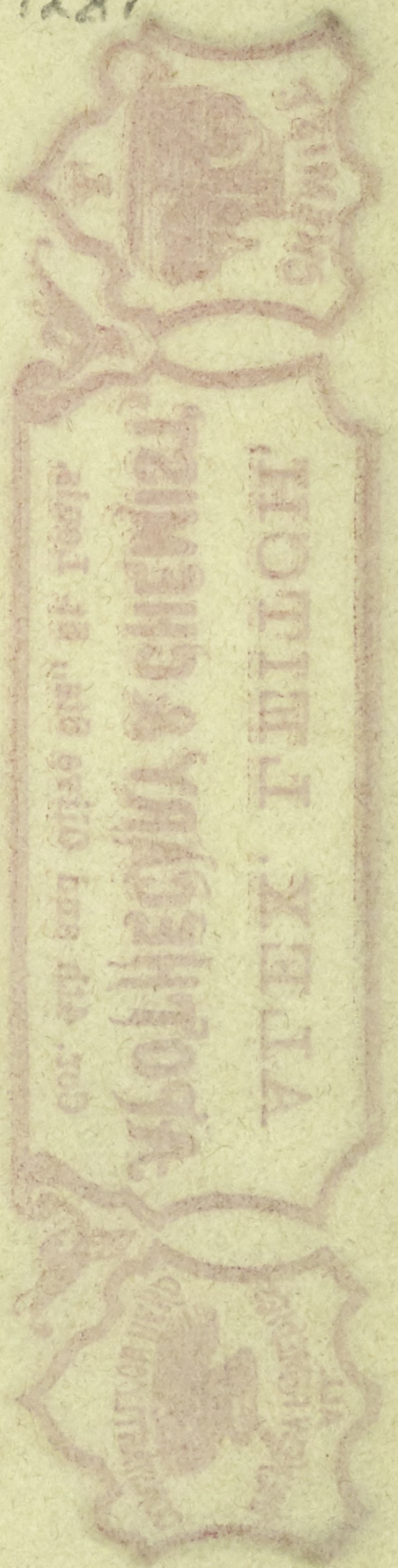
1"



x60



lobes subulate ciliate  
whole inner margin  
of involucre ciliate  
numerous hairy bracts  
between stamens



0 1 2 3 4 5 6 7 8 9 10

cm

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BOTANICAL  
GARDEN



6730

CHEMIST

ALEX. LEITCH,  
APOTHECARY & CHEMIST,  
Cor. 4th and Olive Sts., St. Louis.

ALL  
THE NEW REMEDIES  
CONSTANTLY ON HAND

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GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN



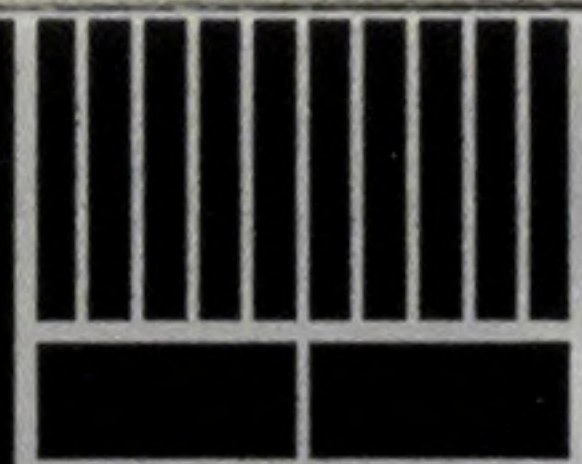
*Euphorbia serpyllifolia*

seeds 1.3 - 1.4 mm long  
0.5 - 0.6 " thick

cells of surface  
(reticulation) 0.02 mm. wide

*Euphorbia Blodgettii* seeds 1 mm long  
0.7 thick

surface cells 0.03 mm wide



0 1 2 3 4 5 6 7 8 9 10

cm

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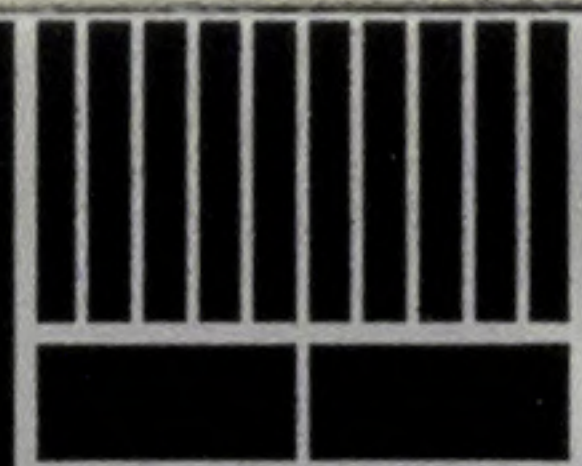


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GARDEN



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0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN



Oct 16 1881

*Euphorbia Blodgettii* n. sp. <sup>perita-petalis</sup> <sup>demum</sup> annua glaberrima.  
caulis <sup>suberectus</sup> <sup>3 flange</sup> longe prostratus  
foliis ovatis s. obovatis, basi ralde oblique, obtusis  
integris s. <sup>versus apicem</sup> ~~obtusis~~ <sup>s. subcordatis</sup> ~~obtusis~~  
cuspide <sup>obtusius</sup> <sup>cuspidatum</sup>  
stipulis ~~late~~ <sup>triangularibus</sup> <sup>suberectis</sup> <sup>sapiens</sup> cuneatis,  
candem <sup>regularis</sup> s. <sup>demum</sup> in ramis brevibus  
foliosis aggregatis, <sup>compactis</sup> <sup>glandis</sup>  
lobis <sup>hirsutis</sup> <sup>radialis</sup> <sup>appressis</sup> <sup>glandis</sup> <sup>majoribus</sup> <sup>radialis</sup> <sup>villosis</sup>  
glandulis <sup>prode</sup> <sup>inter</sup> <sup>anteres</sup> <sup>Majoribus</sup>  
appressatis; <sup>stis</sup> <sup>demum</sup> <sup>suberectis</sup> <sup>Majoribus</sup> <sup>villosis</sup>  
stylis <sup>ad medium bifidis</sup> <sup>stylis</sup> <sup>clavellatis</sup>  
capsula <sup>acutiuscula</sup> <sup>angulata</sup>  
semitis <sup>ovatis</sup> <sup>quadratis</sup> <sup>laevissimis</sup> <sup>3</sup>  
indistincte <sup>undulatis</sup>  
*E. imrayitatum* Chap. Fl. p. *E. serpyllifolia* Boiss. & DC.  
near Coast of South Florida and the Keys,  
Blodgett, Chapman, Curtis. Distinguishes from  
the closely allied *E. serpyllifolia* by the <sup>larger</sup> <sup>broader</sup> <sup>stems</sup> <sup>prostrate</sup> <sup>a foot long</sup> <sup>leaves</sup> <sup>3-4 1/2 lines long</sup> <sup>about 1/2 line long</sup> <sup>seed 1/2 line long 1/3 line thick</sup>  
with <sup>unequally</sup> <sup>appressed</sup> <sup>glands</sup>, and by the <sup>thicker</sup> <sup>seeds</sup>  
+ <sup>larger</sup> <sup>broader</sup> <sup>much more conspicuous</sup> <sup>stipules</sup>  
seeds <sup>prostrate</sup> <sup>a foot long</sup> <sup>leaves</sup> <sup>3-4 1/2 lines long</sup> <sup>about 1/2 line long</sup> <sup>seed 1/2 line long 1/3 line thick</sup>  
about 1/2 line long  
seed 1/2 line long 1/3 line thick.  
a specimen coll. - <sup>Island of Guadalupe</sup> <sup>by Dr. Madriani</sup>  
- <sup>Holroyd</sup> <sup>seems to be the same species</sup>  
caps nearly 1 line high  
and over 1 line wide



0 1 2 3 4 5 6 7 8 9 10

cm

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6732

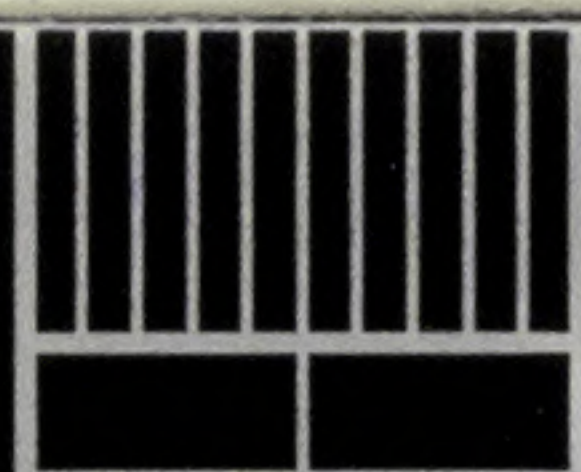
Cornu nigrum amari

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How

Quercus

Periderm



0 1 2 3 4 5 6 7 8 9 10

cm

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44

Blodgettia  
Didymaria

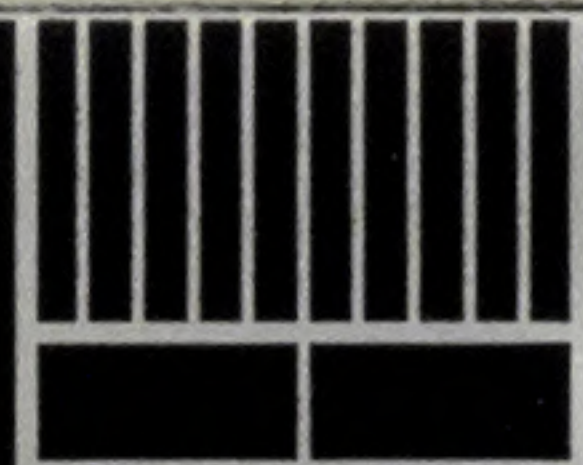
22

Florida  
(West Indian)

seeds 1 mm long  
0.7 Thick

surface cells 0.03 mm wide

275-281



0 1 2 3 4 5 6 7 8 9 10

cm

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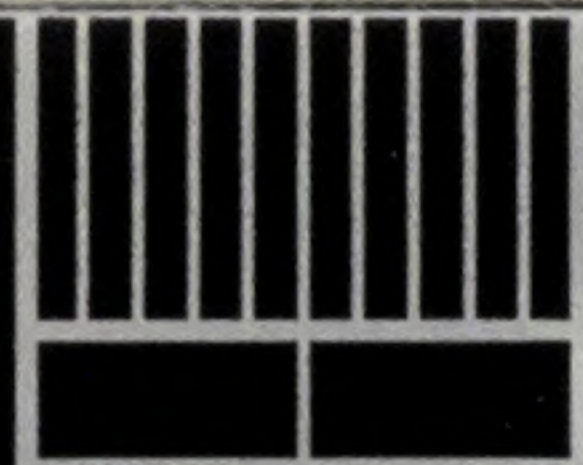


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0 1 2 3 4 5 6 7 8 9 10

cm

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*Eugenia blodgettii*  
Key West, Florida

Febr 16 1882

A. H. Curtis

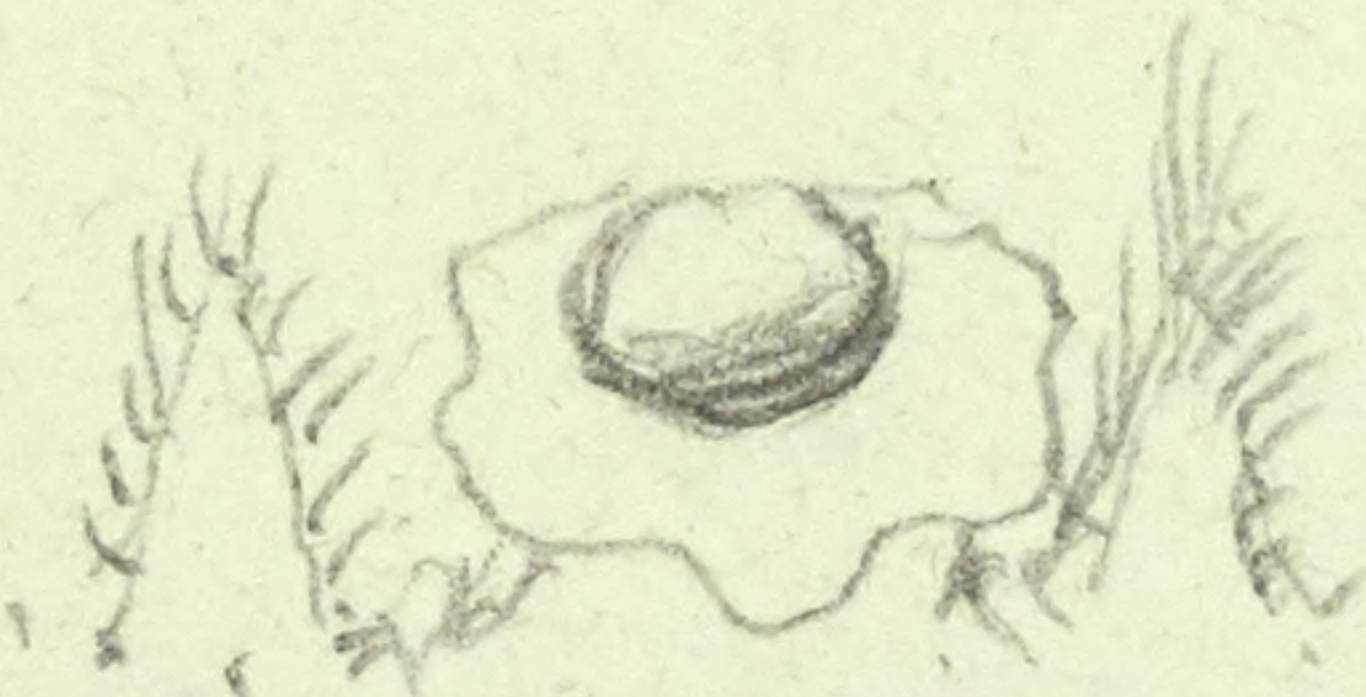
Febr 1882

x 30

x 10



1/2 line long



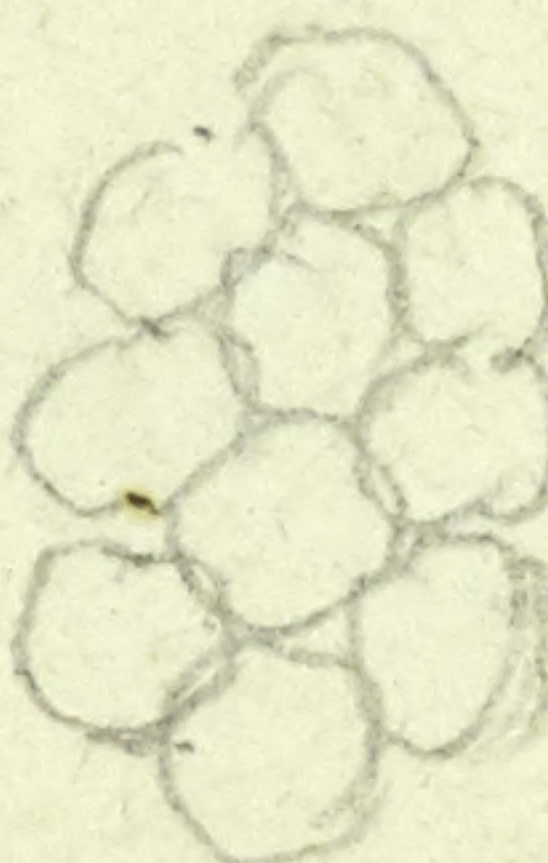
involucrum pale  
inter villosissime

x 10



*Blodgettia speciosa*

Seed of *Blodgettia speciosa*



surface cells x 150

= 0.025



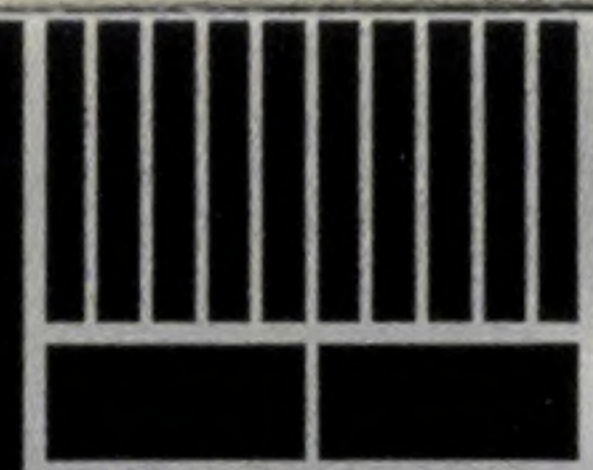
NEW YORK

380 FIFTH STREET

NEW YORK

Blodgettia

JAMES MCBRIDE



0 1 2 3 4 5 6 7 8 9 10

cm

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BOTANICAL  
GARDEN



JAMES MCBRIDE,  
Pharmaceutist,

No. 280 FIFTH STREET,      NEAR OF ALLON,  
SAINT LOUIS.

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0 1 2 3 4 5 6 7 8 9 10

cm

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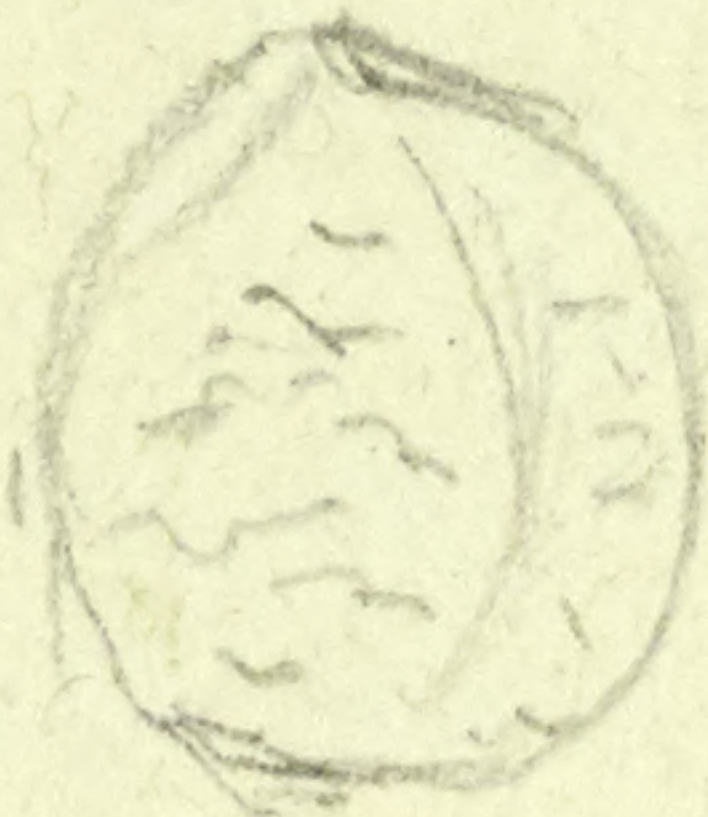
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*Euph. corollata*  
*var. corrugata*

June 25 1892

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS  
x 10  
Brewer No. 853



typical spec



0

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cm

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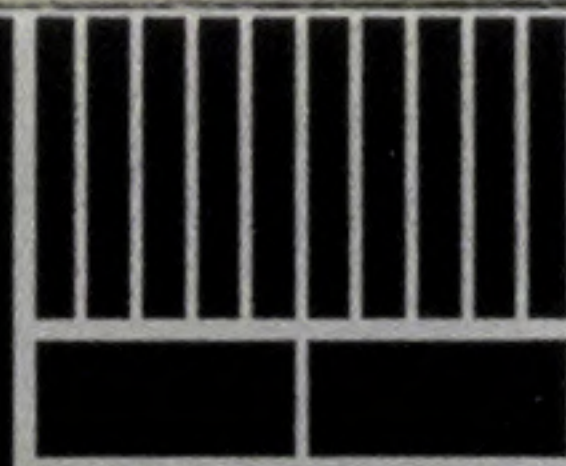


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GARDEN



6735

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GARDEN



Curtis writes

Yours Euphorb polyphylla  
Indra River to  
extends from Bay Boayum  
and Charlotte Harbor



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BOTANICAL  
GARDEN



6736

Date \_\_\_\_\_ Name \_\_\_\_\_

Diagn. \_\_\_\_\_

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GEORGE ENGELMANN PAPERS

*R.*



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cm

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22. ~~22~~ ~~22~~ *S. Adynum* var  
in Gray's Herb. *Chapman*

*erecta patula* = *Chapman*

*glaberrima*

*inferioribus*  
*foliis a basi oblique*

*subcordata* *obtusius*

*ovatis* *integris* *spatula* *dupli*

*stipulis* *carunculatis*

*facies*

*involucris subsingulis*

*lateralibus*

*glandis inappressis*

*stylis ultimis*

*bifidis*

*stigma clavellatis*



0 1 2 3 4 5 6 7 8 9 10

cm

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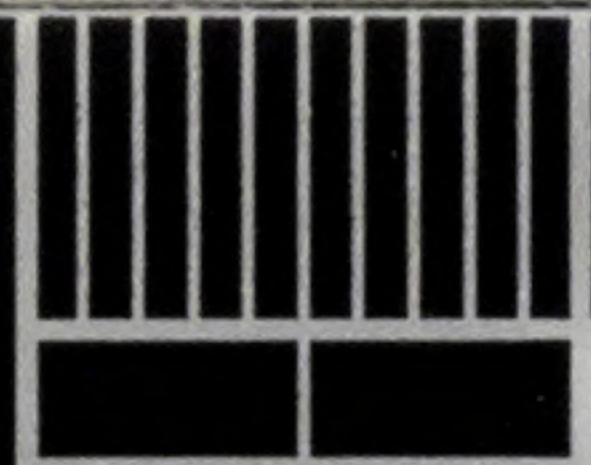


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GARDEN



6737

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cm

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GARDEN



22

Guadaloupe

West Indies

or Medina



ovoid globose!

not pub.

x herb  
Alger

P. Lidyman

protrude

globose filis crassius

patis basi obliq. obtus

2. subglobosa ovuli

obtus <sup>retro</sup> & serratis <sup>+</sup> sty. ovatis

glora latiuscula densis

antheris parvis densis

gl. parvis appressis

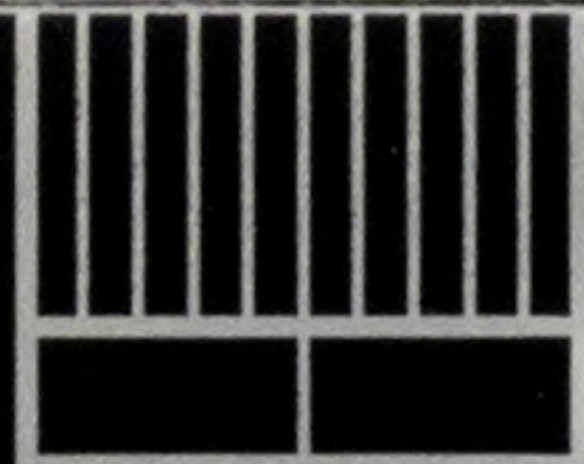
stylis divaricatis patulis

ovariis b. 2. ovatis

globose aequales 2. super

antheris. styg. clavatis

sem ovulis 0.4 punct-

angul. <sup>obovate</sup> transversis negonx dependent  
apice ovule  
2. subglobosa  
x trilocis

0 1 2 3 4 5 6 7 8 9 10

cm

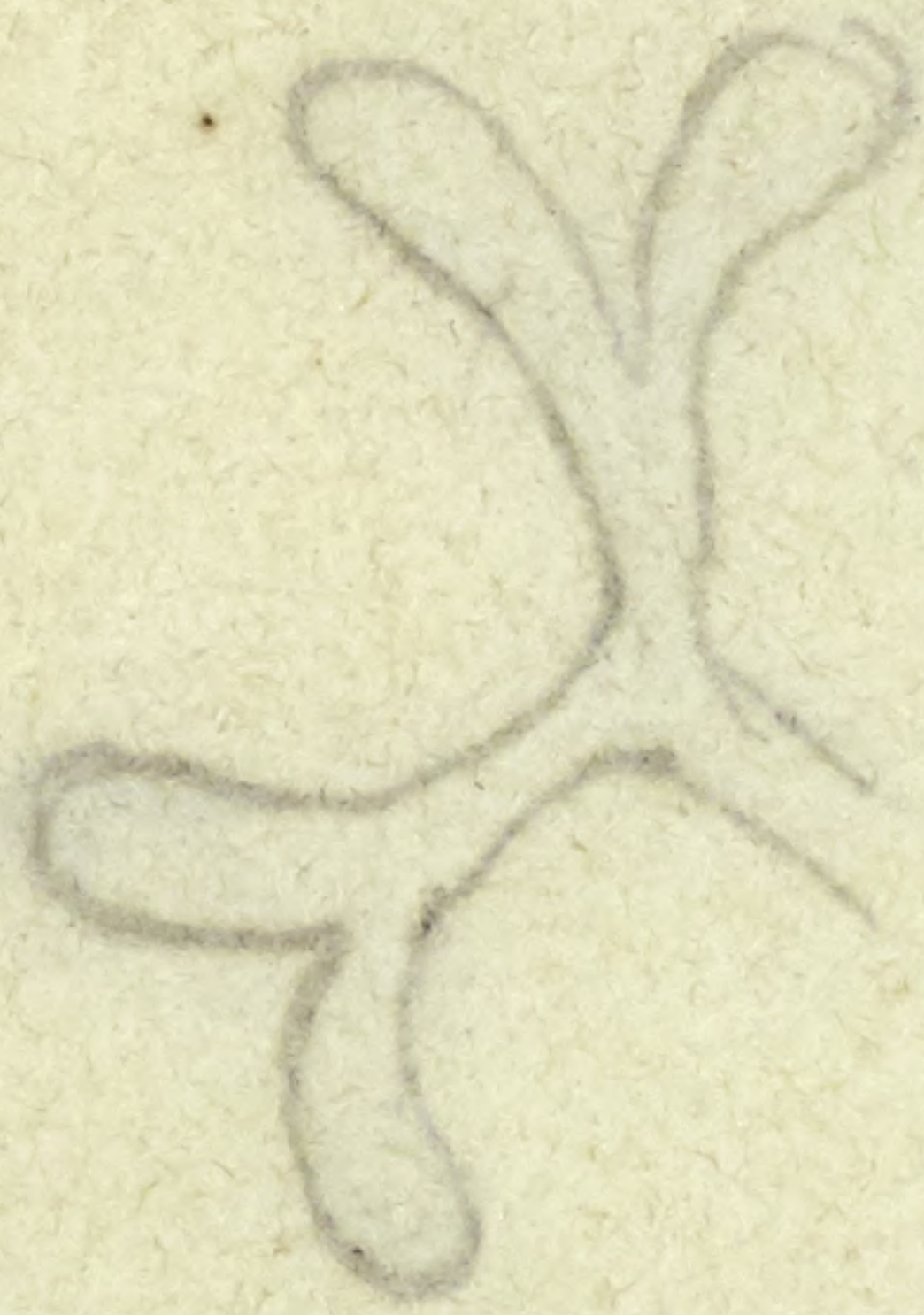
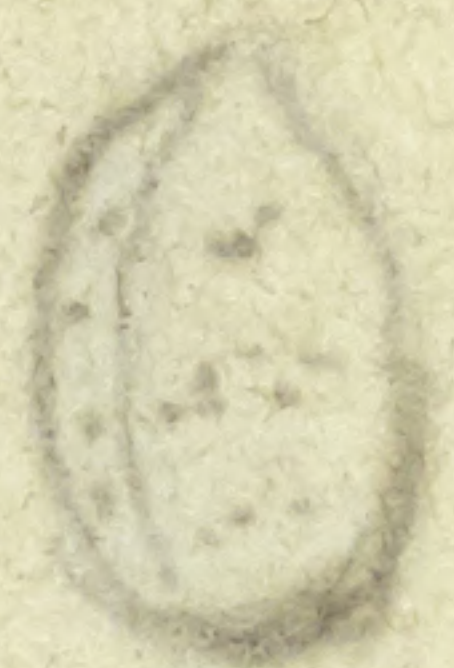
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GARDEN



6738

with fruit  
in the  
fruit  
apple

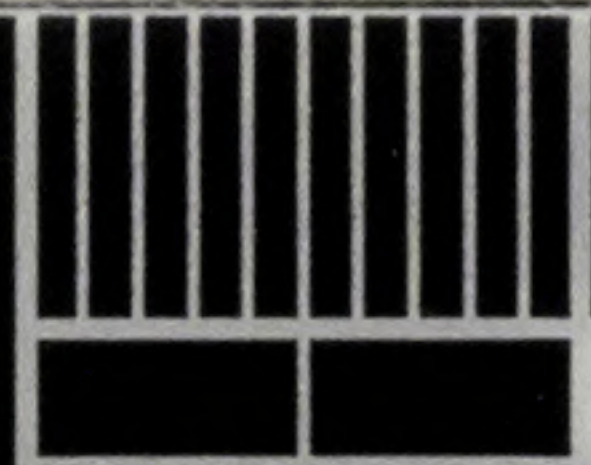


perhaps near

*E. didyma*?

but that has fol. integ.

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GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN